

Form PTO-1449

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**INFORMATION DISCLOSURE CITATION**  
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Atty. Docket No. <b>0575/48879-A</b>	Serial No. <b>08763,669</b>
Applicants <b>Robert E. Canfield, et al.</b>	09/404 076
Filing Date <b>December 11, 1996</b>	Group <b>1644</b>

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

**EXAMINER**

XAMINER *John Baker*

DATE CONSIDERED

9/18/98

*Debra Kahn* 77878  
\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

K. Clemens 9/11/00

Applicants: Robert E. Canfield, et al.  
Serial No.: 08/763,669

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*SL* 1 Armstrong, et al. 1984. Use of a highly sensitive and specific immunoradiometric assay for detection of human chorionic gonadotropin in urine of normal, nonpregnant and pregnant individuals. *J. Clin. Endocrinol. Met.* 59:867-874 (Exhibit A)

*SL* 2 Barbé, F. et al. 1995. Undetectable luteinizing hormone levels using a monoclonal immunometric assay. *J. Endocrinol. Invest.* 18(10):806-808 (Exhibit B)

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Karen Clemens 9/1/50

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  	<p>Birken, S., et al. 1993. Structure and significance of human luteinizing hormone-beta core fragment purified from human pituitary extracts. <u>Endocrinology</u>. 133(3):985-989 (Exhibit C)</p> <p>Blithe, et al. 1988. Purification of <math>\beta</math>-core fragment from pregnancy urine and demonstration that its carbohydrate moieties differ from those of native human chorionic gonadotropin-<math>\beta</math>. <u>Endocrinology</u> 122: 173-180 (Exhibit D)</p>
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K. Clemens, 9/11/00

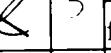
<b>Form PTO-1449</b>	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Atty. Docket No.</b> <b>0575/48879-A</b>	<b>Serial No.</b> <b>08/763,669</b>
		<b>Applicants</b> <b>Robert E. Canfield, et al.</b>	<b>09/404,676</b>
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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	5	<p>Cole, L.H., et al. 1988. Urinary human chorionic gonadotropin free <math>\beta</math>-subunit and <math>\beta</math>-core fragment: a new marker of gynecological cancers. <i>Cancer Research</i> 48: 1356-1360 (Exhibit E)</p>
	6	<p>Costagliola, S. et al. 1994. Glycoprotein hormone isomorphism and assay discrepancy: the paradigm of luteinizing hormone (LH). [Review]. <i>J. Endocrinol. Invest.</i> 17(4): 291-9 (Exhibit F)</p>

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J. Clemens 9/11/90

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		58: 281-286 (Exhibit II)
<i>JK</i>	q	Krichevsky, A. et al. 1988. Preparation and Characterization of antibodies to the urinary fragment of the human chorionic gonadotropin beta-subunit. <i>Endocrinology</i> 123(1): 584-593 (Exhibit I)

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X. Clemens 9/11/00

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<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initial		Document Number	Date	Name	Class
					Subclass
					Filing Date if Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>					
		Document Number	Date	Country	Class
					Subclass
					Translation
					Yes
					No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
<i>SK</i>	10	Martin-Du-Pan, R.C. et al. 1994. Clinical significance of invisible or partially visible luteinizing hormone. <i>Hum. Reprod.</i> 9(11):1987-1990 (Exhibit J)			
<i>SK</i>	11	Moyle, W.R. et al. 1982. Use of monoclonal antibodies to subunits of human chorionic gonadotropin to examine the orientation of the hormone in its complex with receptor. <i>PNAS</i> 79: 2245-2249 (Exhibit K)			
EXAMINER <i>Colleen Rabkin</i>		DATE CONSIDERED		<i>9/18/98</i>	

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K. Clemens 9/14/00

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Applicants <b>Robert E. Canfield, et al.</b>	<i>61/409676</i>
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		malignancies. <u>Cancer Research</u> 48:1361-1366 (Exhibit M)
	14	Pettersson, K. et al. 1991. Monoclonal antibody-based discrepancies between two-site immunometric tests for lutropin. <u>Clin. Chem.</u> 37(10 Pt. 1): 1745-1748. (Exhibit N)
	15	Prentice, L.G. and Ryan, R.J. 1975. LH and its subunits in human pituitary, serum and urine. <u>J. Clin. Endocrinol. Metab.</u> 40:2 303-312 (Exhibit O)

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Samuel 1/11/99 L. Clemens 7/11/99

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~~16~~ 16 Romani, P. et al. 1977. Biologically active luteinizing hormone (LH) in plasma: II. Comparison with immunologically active LH levels throughout the human menstrual cycle. *Acta Endocrinol (Copenh)* 84:4 697-712 (Exhibit P)

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-E. Clemens 9/11/00